

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER DJKIM.GENO.PT1
INTERNATIONAL APPLICATION NO. PCT/KR2005/000453		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/590034</b>
INTERNATIONAL FILING DATE February 18, 2005		PRIORITY DATE CLAIMED February 20, 2004
TITLE OF INVENTION POLYPEPTIDE PARTICIPATING IN PYRIDOXINE BIOSYNTHESIS, POLYNUCLEOTIDE ENCODING THE POLYPEPTIDE AND THOSE USES		
APPLICANT(S) FOR DO/EO/US LEE, Dong-hee; KIM, Tae-hoon; HWANG, In-taek; CHO, Kwang-yun		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))		
a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.		
c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input type="checkbox"/> is attached hereto.		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
<b>Items 11 to 20 below concern document(s) or information included:</b>		
11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold; text-align: center;">10/590034</div>	INTERNATIONAL APPLICATION NO. PCT/KR2005/000453	ATTORNEY'S DOCKET NUMBER DJKIM.GENO.PT1
20. Other items or information:  <div style="text-align: center; font-weight: bold;">Return Receipt Postcard, a copy of the International Search Report</div>		
The following fees have been submitted		<b>CALCULATIONS</b> <b>PTO USE ONLY</b>
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300		\$ 300.00
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		\$ 200.00
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		\$ 500.00
<b>TOTAL OF 21, 22 and 23 =</b>		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)
- 100 =	/50 =	x \$250
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$
CLAIMS	NUMBER FILED	NUMBER EXTRA
Total claims	- 20 =	x \$ 50
Independent claims	- 3 =	x \$200
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$360
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.		
<b>SUBTOTAL =</b>		\$ 500.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).		\$
<b>TOTAL NATIONAL FEE =</b>		\$
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		\$
<b>TOTAL FEES ENCLOSED =</b>		\$ 500.00
		Amount to be refunded: \$
		Amount to be charged \$

10/590034

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☒ A check in the amount of \$ 500.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 501037. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

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August 18, 2006

**VIA EXPRESS MAIL**  
**EV331542322US**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Re: SUBMISSION TO ENTER THE NATIONAL STAGE UNDER 35 U.S.C. 371  
Title: *"POLYPEPTIDE PARTICIPATING IN PYRIDOXINE BIOSYNTHESIS,  
POLYNUCLEOTIDE ENCODING THE POLYPEPTIDE AND THOSE USES"*  
Applicants: Genomine, Inc. and Korea Research Institute of Chemical Technology  
Inventors: LEE, Dong-hee; KIM, Tae-hoon; HWANG, In-taek; CHO, Kwang-yun  
Int'l Filing No.: PCT/KR05/000453  
Int'l Filing Date: February 18, 2005  
Priority Date: February 20, 2004  
Customer No.: 24943  
Attorney Docket No.: DJKIM.GENO.PT1

Dear Sir:

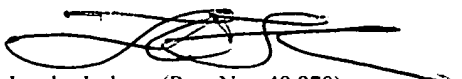
Please find enclosed the following:

- 1) a transmittal letter to the DO/EO/US concerning a filing under 35 U.S.C. 371 (Form PT0-1390);
- 2) an application data sheet (5 pages)
- 3) a specification of 39 pages: a written description (23 pages), a set of claims (2 pages), an abstract (1 page); and a set of drawings (13 pages);
- 4) a paper copy of the written sequence listing (4 pages);
- 5) a computer readable form of the sequence listing on compact disc;
- 6) a signed joint declaration/power of attorney by the inventor (5 pages);
- 7) an Information Disclosure Statement and Form PTO-1449 with copies of references cited;
- 8) a check for \$500.00 to cover the small entity national filing fee; and
- 9) a return receipt postcard.

37 CFR 1.821(f) -I hereby state the information recorded in computer readable form is identical to the written sequence listing.

The commissioner is hereby authorized to charge any underpayment or credit any overpayment to Deposit Account Number 501037. If you should have any questions, please contact us.

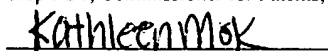
Sincerely,  
INTELLECTUAL PROPERTY LAW GROUP LLP

  
Junecko Jackson (Reg. No.: 48,870)  
Enclosures

**CERTIFICATE OF EXPRESS MAIL**

"EXPRESS MAIL" mailing label number: EV 331542322 US Date of Deposit: August 18, 2006

I hereby certify that the above-identified correspondence, which is attached, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. '1.40 on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450.

  
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Signature